

WHAT IS CLAIMED IS:

1. A printing press with crop mark setting device, the printing press with crop mark setting device comprising:

a printing couple for printing on a web;

a lengthwise cutting means for cutting the printed web lengthwise into a first web strand

5 and at least one second web strand;

a convergence means for converging said web strands or for converging said web strands with at least one other web strand each to provide one or more converged web strands, the convergence means comprising a turning bar means;

a cross-cutting means for cross-cutting said converged web strands; and

10 a crop mark setting device for setting a crop mark of said web strands that is related to the cross cutting, said crop mark setting device comprising, a first deflecting means for deflecting said first web strand around a first deflection axis and a second deflecting means for deflecting said second web strand around a second deflection axis, said second deflecting means being mounted movably in relation to said first deflecting means in a frame such that a length of a path of said  
15 second web strand in relation to the length of the path of said first web strand can be changed by a movement of said second deflecting means in relation to said first deflecting means, said crop mark setting device being arranged in front of said turning bar means with respect to a direction of delivery of said web.

2. A printing press with crop mark setting device in accordance with claim 1, wherein said

first deflecting means and said second deflecting means are arranged next to each other in said frame at right angles to said second web strand.

3. A printing press with crop mark setting device in accordance with claim 1, wherein said second deflecting means is mounted movably, preferably guided along a straight line, at right angles to the deflection axis formed by it.

4. A printing press with crop mark setting device in accordance claim 1, wherein said first deflecting means is mounted movably guided along a straight line, in relation to said frame and said second deflecting means is mounted movably, preferably guided along a straight line, in relation to said deflection axis formed by it, in order to also make it possible to change the length  
5 of the path of the first web strand.

5. A printing press with crop mark setting device in accordance with claim 1, wherein said first deflecting means is movable by a first maximum adjusting path length and said second deflecting means is movable by a second maximum adjusting path length, and said first maximum adjusting path length is at least half to as great as a second maximum adjusting path length.

6. A printing press with crop mark setting device in accordance with claim 1, further comprising: a control and/or regulating means with a setting means for moving said deflecting means such that for one of said web strands a path length is increased and the length of the path is reduced for the other of said web strands.

7. A printing press with crop mark setting device in accordance with claim 1, further comprising: a control and/or regulating means with a setting means for moving said deflecting means such that the path lengths of said web strands can be changed simultaneously.

8. A printing press with crop mark setting device in accordance with claim 1, wherein said second deflecting means and/or said first deflecting means can be moved into a position in which said second deflecting means and/or said first deflecting means can be wrapped around together by said web.

9. A printing press with crop mark setting device in accordance with claim 1, wherein said first deflecting means is a first roller body and said second deflecting means is a second roller body, and said roller bodies together form a deflecting roller in a first position and a separate deflecting roller in a second position.

10. A printing press with crop mark setting device in accordance with claim 1, wherein:  
said frame has a first frame side and a second frame side located opposite and at spaced locations at right angles to said web;

said first deflecting means is mounted at said first frame side and has a free end facing said  
5 second frame side; and

said second deflecting means is mounted at said second frame side and has a free end facing said first frame side.

11. A printing press with crop mark setting device in accordance with claim 1, wherein a width of said first deflecting means measured in the direction of said first deflection axis substantially corresponds to a width of the first web strand.

12. A printing press with crop mark setting device in accordance with claim 1, wherein a width of said second deflecting means measured in the direction of said second deflection axis substantially corresponds to a width of the second web strand.

13. A printing press with crop mark setting device in accordance with claim 1, further comprising: an outlet deflecting means located next to said first deflecting means and said second deflecting means in the paths of said web strands associated with said first deflecting means and with said second deflecting means together by being able to be wrapped around by said first web strand and by said second web strand together.

14. A printing press with crop mark setting device in accordance with claim 1, further comprising an intake deflecting means arranged upstream closest to said first deflecting means and said second deflecting means in a path of said web or in the paths of said web strands, said an intake deflecting means being associated together with said first deflecting means and with said second deflecting means by being able to be wrapped around by said web or by said first web strand and by said second web strand together.

15. A process for setting the crop mark for and/or in a print production, the process

comprising:

printing at least two prints continuously on a web, the prints being arranged next to each other at right angles to a direction of delivery of the web;

5 cutting the web lengthwise between said printed-on or yet-to-be-printed prints into a first web strand and a second web strand;

turning or reversing at least one of the web strands;

converging the web strands after the turning and/or reversing of the second web strand or converging each web strand with another printed-on web strand;

10 cross-cutting said converged web strands between said prints following each other in said direction of delivery in order to obtain individual printed products;

setting a crop mark position of at least said second web strand using a crop mark setting device, said crop mark position being related to said cross cutting, the crop mark setting device including a first deflector wrapped around by said first web strand and a second deflector wrapped  
15 around by said second web strand before the turning and/or reversing of the second web strand by a movement of said second deflector changing a length of the path of said second web strand.

16. A process in accordance with claim 15, wherein a crop mark position of said second web strand is related to the cross cutting and is also set in said crop mark setting device by a movement of said first deflector to change the length of the path of said first web strand.

17. A process in accordance with claim 15, wherein said first web strand is converged with said second web strand or with at least one other web strand directly without turning and is

cross-cut.

18. A process in accordance with claim 15, wherein said first web strand and said second web strand are converged alone or with at least one other web strand to form a bundle, and said crop mark positions of said web strands of the bundle are set by a movement of both the first deflector and the second deflector by an adjusting path length each in a mutually coordinated manner.

19. A process in accordance with claim 18, wherein crop mark positions of the web strands of the bundle are set simultaneously in order to minimize the setting time needed for setting the crop marks of said web strands.

20. A process in accordance with claim 15, wherein the crop mark positions of the web strands of the bundle are set in such a way that a greatest of the adjusting path lengths is minimized.

21. A process in accordance with claim 15, wherein:

said first web strand is converged with at least two other web strands, one of which is the second web strand, to form a web strand bundle, and the bundle is cross-cut;

each of the web strands of the bundle is conveyed via at least one deflector each, which is adjustable by a adjusting path length to make it possible to adjust the crop mark of the web strand deflected by it; and

the crop marks of the web strands of the bundle are set in a coordinated manner such that the adjusting path lengths of said deflector, which are necessary for this, are distributed between the web strands.